AMENDMENT TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application. The listing of claims has been renumbered pursuant to the Examiner's renumbering as stated in the Office Action of December 14, 2006.

1. (Currently Amended) A system for providing an authorization framework for an application, comprising:

one or more declarations for specifying authorization enforcement points for one or more target classes in an application;

one or more declarations selected from a group consisting of a constant, a local variable and an instance variable for specifying one or more permission classes for the one or more authorization enforcement points; and

authorization enforcement code derived from the one or more declarations for specifying one or more permission classes for the one or more authorization enforcement points; and

a processor programmed to insert authorization enforcement code into one or more of the target classes according to the authorization enforcement points.

2. (Currently Amended) The system of claim 1, wherein the authorization enforcement points correspond to one or more methods of the one or more target classes.

3. (Original) The system of claim 1, wherein the authorization enforcement code is in the form of byte code.

4. (Original) The system of claim 1, wherein the authorization enforcement code is in the form of script code.

5. (Original) The system of claim 1, wherein the processor is programmed to insert the authorization enforcement code in the one or more target classes at runtime of the application.

6. (Original) The system of claim 1, wherein the processor is programmed to insert the authorization enforcement code in the one or more target classes after the application is loaded in a memory for execution.

7. (Original) The system of claim 1, wherein the application comprises a set of Java-based executable program.

8. (Cancelled)

9. (Original) The system of claim 1, wherein each of the declarations are stored in a deployment descriptor.

10. (Original) The system of claim 1, wherein at least one of the declarations specifies a subject factory.

11. (Currently Amended) The system of claim 1, wherein at least one of the ~~declarations specifies~~ permission classes is a permission factory.

12. (Currently Amended) The system of claim 1, wherein at least one of the ~~declarations specifies~~ permission classes is a privileged action factory.

13. (Currently Amended) The system of claim 1, wherein at least one of the ~~declarations specifies~~ permission classes is a permission action factory.

14. (Currently Amended) A method for providing an authorization framework for an application, comprising:

coding one or more declarations for specifying authorization enforcement points for one or more target classes in an application;

coding one or more declarations <u>selected from a group consisting of a</u>

<u>constant, a local variable and an instance variable</u> for specifying one or more permission

classes for the one or more authorization enforcement points; ~~and~~

<u>compiling authorization enforcement code derived from the one or more</u>

<u>declarations for specifying one or more permission classes for the one or more</u>

<u>authorization enforcement points; and</u>

inserting authorization enforcement code into one or more of the target

classes according to the authorization enforcement points.

15. (Currently Amended) The method of claim ~~15~~<u>14</u>, wherein the

authorization enforcement points correspond <u>to</u> one or more methods of the one or more

target classes.

16. (Currently Amended) The method of claim ~~15~~<u>14</u>, wherein the

authorization enforcement code is in the form of byte code.

17. (Currently Amended) The method of claim ~~15~~<u>14</u>, wherein the

authorization enforcement code is in the form of script code.

18. (Currently Amended) The method of claim ~~15~~<u>14</u>, wherein the step of

inserting occurs at runtime of the application.

19. (Currently Amended) The method of claim ~~15~~<u>14</u>, wherein the step of

inserting occurs after the application is loaded in a memory for execution.

20. (Currently Amended) The method of claim ~~15~~<u>14</u>, wherein the

application comprises a Java-based executable program.

21. (Cancelled)

22. (Currently Amended) The method of claim ~~15~~14, wherein each of the declarations are stored in a deployment descriptor.

23. (Original) The method of claim 14, wherein at least one of the declarations specifies a subject factory.

24. (Currently Amended) The method of claim ~~15~~14, wherein at least one of the ~~declarations specifies~~ permission classes is permission factory.

25. (Currently Amended) The method of claim ~~15~~14, wherein at least one of the ~~declarations specifies~~ permission classes is a privileged action factory.

26. (Currently Amended) The method of claim ~~15~~14, wherein at least one of the ~~declarations specifies~~ permission classes is a permission action factory.

27. (Currently Amended) A computer program product having a computer readable medium having computer program logic recorded thereon for providing an authorization framework for an application, comprising:

one or more declarations for specifying authorization enforcement points for one or more target classes in an application;

one or more declarations selected from a group consisting of a constant, a local variable and an instance variable for specifying one or more permission classes for the one or more authorization enforcement points; ~~and~~

authorization enforcement code derived from the one or more declarations for specifying one or more permission classes for the one or more authorization enforcement points; and

computer readable means for inserting authorization enforcement code into one or more of the target classes according to the authorization enforcement points.

28. (Currently Amended) The computer program of claim ~~28~~27, wherein the authorization enforcement points correspond to one or more methods of the one or more target classes.

29. (Currently Amended) The computer program of claim ~~28~~27, wherein the permission class objects are in the form of byte code.

30. (Currently Amended) The computer program of claim ~~28~~27, wherein the authorization enforcement code is in the form of script code.

31. (Currently Amended) The computer program of claim ~~28~~27, wherein the computer readable means for inserting are for inserting the authorization enforcement code at runtime of the application.

32. (Currently Amended) The computer program of claim ~~28~~27, wherein the computer readable means for inserting are for inserting the authorization enforcement code after the application is loaded in a memory for execution.

33. (Currently Amended) The computer program of claim ~~28~~27, wherein the application comprises a Java-based executable program.

34. (Cancelled)

35. (Currently Amended) The computer program of claim ~~28~~27, wherein each of the declarations are stored in a deployment descriptor.

36. (Currently Amended) The computer program of claim ~~28~~27, wherein at least one of the declarations specifies a subject factory.

37. (Currently Amended) The computer program of claim ~~28~~27, wherein at least one of the ~~declarations specifies~~ permission classes is a permission factory.

38. (Currently Amended) The computer program of claim ~~28~~27, wherein at least one of the ~~declarations specifies~~ permission classes is a privileged action factory.

39. (Currently Amended) The computer program of claim ~~28~~27, wherein at least one of the ~~declarations specifies~~ permission classes is a permission action factory.